Attorney's Docket No.: 10851-008US1
Client's Ref. No.: T001165

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Sergio Fantini, Ph.D.
Serial No. : 10/507,336
Filed : June 28, 2005
Title : OPTICAL IMAGING AND OXIMETRY OF TISSUE

Art Unit : 3736
Examiner : Unknown

MAIL STOP AMENDMENT
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Alexandria, VA 22313-1450

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Applicants request consideration of the references listed on the attached PTO-1449 form. Under 37 C.F.R. § 1.98 (a)(2)(ii), only copies of foreign patent documents and/or non-patent literature are enclosed. Copies of any listed U.S. patents or U.S. patent application publications can be provided upon request.

This statement is being filed within three months of the filing date of the application or before the receipt of a first Office Action on the merits. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 12-15-2005

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10851-008US1	Application No. 10/507,336
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR 1.98(b))		Applicant Sergio Fantini, Ph.D.	
		Filing Date September 10, 2004	Group Art Unit

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,830,141	11/03/1998	Makram-Ebeid et al.			
	AB	5,285,783	02/15/1994	Secker			
	AC	6,226,540 B1	05/01/2001	Bernreuter			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	Translation No

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AD	Cerussi, A.E. et al., "Spectroscopy enhances the information content of optical mammography", *Journal of Biomedical Optics* **7**, pp. 60-71, 2002.
	AE	Dehghani, H. et al., "Multiwavelength three-dimensional near-infrared tomography of the breast: initial simulation, phantom, and clinical results", *Applied Optics* **42**, pp. 135-145, 2003.
	AF	Fantini, S. et al., "Frequency-domain optical mammography: Edge effect corrections", *Medical Physics* **23**, pp. 149-157, 1996.
	AG	Fantini, S. et al., "Assessment of the Size, Position, and Optical Properties of Breast Tumors in Vivo by Non-Invasive Optical Methods", *Applied Optics* **37**, pp. 1982-1989, 1998.
	AH	Franceschini, M.A. et al., "Frequency-Domain Techniques Enhance Optical Mammography: Initial Clinical Results", *Proceedings of the National Academy of Science of the USA* **94**, pp. 6468-6473, 1997.
	AI	Grosenick, D. et al., "Concentration and oxygen saturation of haemoglobin of 50 breast tumors determined by time-domain optical mammography", *Physics in Medicine and Biology* **49**, pp. 1165-1181, 2004.
	AJ	Hanson, K.M., presentation entitled "Optical tomography: seeing inside the body", available from http://public.lanl.gov/kmh/talks/graz99.pdf, 26 April 1999.
	AK	Heffer, E.L. and Fantini, S., "Quantitative oximetry of breast tumors: A novel, near-infrared method that identifies two optimal wavelengths for each tumor", *Applied Optics* **41**, pp. 3827-3839, 2002.
	AL	Heffer, E.L. et al., "Near-infrared imaging of the human breast: Complementing hemoglobin concentration maps with oxygenation images", *Journal of Biomedical Optics* **9**, pp. 1152-1160, 2004.
	AM	Hohenberger, P. et al., "Tumor oxygenation correlates with molecular growth determinants in breast cancer", *Breast Cancer Research and Treatment* **48**, pp. 97-106, 1998.
	AN	Hoogenraad, J.H., "First Results from the Philips Optical Mammoscope", *Photon Propagation in Tissues III* (D. Benaron, B. Chance, and M. Ferrari, eds.), *Proceedings of the SPIE* **3194**, pp. 184-190, 1998.

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AO	Kaschke, M. et al., "Transillumination Imaging of Tissue by Phase Modulation Techniques", *Advances in Optical Imaging and Photon Migration* (R.R. Alfano, ed.), *Proceedings of the Optical Society of America* **21**, pp. 88-92, 1994.
	AP	Peters, V.G. et al., "Optical Properties of Normal and Diseased Human Breast Tissues in the Visible and Near-Infrared", *Physics in Medicine and Biology* **35**, pp. 1317-1334, 1990.
	AQ	Vaupel, P., Kallinowski, F. and Okunieff, P., "Blood Flow, Oxygen and Nutrient Supply, and Metabolic Microenvironment of Human Tumors: A Review", *Cancer Research* **49**, pp. 6449-6465, 1989.
	AR	Yamashita, Y. and Kaneko, M., "Visible and Infrared Diaphanoscopy for Medical Diagnosis," in Medical Optical Tomography: Functional Imaging and Monitoring, *Vol. IS11 of SPIE Institutes for Advanced Optical Technologies* (G.J. Muller et al., eds.), SPIE Optical Engineering Press: Bellingham, Washington, 1993, pp. 283-316.

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